

For Research Use Only

CoraLite® Plus 488-conjugated PEG3 Recombinant antibody

Catalog Number: CL488-84030-5



Basic Information

Catalog Number:	GenBank Accession Number:	Purification Method:
CL488-84030-5	BC150272	Protein A purification
Size:	GeneID (NCBI):	CloneNo.:
100ul , Concentration: 1000 ug/ml by Nanodrop;	5178	241234C5
Source:	UNIPROT ID:	Excitation/Emission maxima wavelengths:
Rabbit	Q9GZU2	493 nm / 522 nm
Isotype:	Full Name:	
IgG	paternally expressed 3	
Immunogen Catalog Number:	Calculated MW:	
AG20132	1588 aa, 181 kDa	

Applications

Tested Applications:
FC (Intra)
Species Specificity:
human

Background Information

Paternally expressed 3 (PEG3) was responsible for Kras/Erk- and mTOR-driven HCC (hepatocellular carcinoma) (PMID: 36451866). PEG3 can regulate the physiological processes related to energy homeostasis found in multiple tissues, such as the brain, testis, ovary, and placenta (PMID: 32729618). Epigenetic silencing and loss of imprinting of PEG3 are implicated in glioma tumorigenesis (PMID: 32231463).

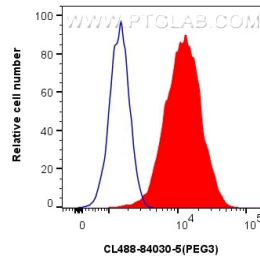
Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10⁶ HepG2 cells were intracellularly stained with 0.25 ug CoraLite® Plus 488 Peg3 Recombinant Antibody (CL488-84030-5, Clone:241234C5)(red), or 0.25 ug CoraLite® Plus 488 Rabbit IgG Isotype Control Recombinant Antibody (CL488-98136, Clone: 240953C9) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).